

## **The Application of Dual Process and Signal Detection Theories to Describe and Predict Performance Changes in Criminal Face Identification**

Flowe, Heather D.

University of Leicester

In this presentation, the application of signal detection and dual process theories to account for decision making in criminal face identification will be discussed. The talk will provide an overview of these often competing theories, especially in relation to how they have been used to account for line up identification performance. Challenges that arise in applying signal detection and dual process theories to understand lineup identification behaviour will be discussed, including theoretical challenges (e.g., to what extent is face memory based on recollection versus familiarity?), applied challenges (e.g., there are no response deadlines in real world settings) and practical challenges (e.g., sometimes it is difficult to find a publication outlet for experiments that test signal detection or dual process theories of lineup identification).